



LABORATORY.

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 241

REGISTERED STOCK FEEDS

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OTTAWA, August 23, 1912.

WM. HIMSWORTH, Esq.,
Acting Deputy Minister,
Inland Revenue.

SIR,—I beg to hand you a report upon 138 samples purchased as Registered Feeding Stuffs, throughout Canada, in February of this year. There seems to be much and wide-spread misunderstanding of the requirements of the Commercial Feeding Stuffs Act of 1909. It is difficult to comprehend this state of things, which is illustrated as notably by the mistakes made by our food inspectors as in any other way.

Briefly, the requirements of the Act in question are as follows: Feeds for farm stock are either subject to legal inspection, or are permitted to be sold without inspection.

Hay, Straw, Roots, Wet brewers grains; also Oats, Barley, Corn, &c., in the unground state, are not subject to any official inspection. The reason is clear.

These articles are, from their nature, as readily judged in regard to quality, by the ordinary purchaser as they could be by a Government Official.

All other feeds are subject to inspection for the equally intelligible reason, that their value is not readily, or certainly appreciable to the purchaser.

Indeed, the only way in which the superiority of one article of Bran or Chop feed over another article of like species can be found out, without chemical analysis, is by actually feeding the material and observing results.

Feeds which are subject to inspection are again divided into two classes, viz.: those which may be sold without registration and those which must be registered before being legally offered for sale.

Bran, Shorts (Middlings) and Chop feeds, are not required to bear any registration number, or any guaranty of their nutritive value. This is because the terms Bran, Shorts and Chop feeds, are legally defined under section 26 of the Adulteration Act.

The definitions of these feeds are published under Grain Standards, as Regulation G. 968.

The feeds in question are required to possess the subjoined percentage values.

	Proteids.	Fat.	Fibre.
	(Min.)	(Min.)	(Max.)
Bran.....	14	3	10
Shorts (Middlings).....	15	4	8
Chop Feed.....	10	2	10

The purchaser of any one of these feeds is assured of obtaining a nutritive value at least equal to the values above given.

There is however nothing in the Act which prevents a manufacturer of Bran, Shorts or Chop, from registering his product, and from guaranteeing a higher value for it than the minimum value required by the Act. Should a manufacturer of Bran, &c., elect to register and to guarantee higher value than the minimum which the Act requires for such class of feed, it is incumbent upon such manufacturer to live up to the guarantee set by himself.

If for example, he chooses to warrant his Bran as containing 16 per cent proteids, and 5 per cent fat, but puts on the market an article containing only 14 per cent proteids and 3 per cent fat, such article will be adulterated, under the Act, although it meets the minimum requirements for legal Bran. Section 15 of the Act provides a penalty for failure to meet the guaranteed values.

All feeds other than those described above, must be registered before being offered for sale.

The registration number must be affixed to every package offered for sale, and constitutes identification of the brand. (Section 7). A penalty of not more than fifty dollars for a first offence is provided for violation of this condition. (Section 15.)

Every registration number corresponds to a definite brand of feed, whose minimum value in nutritive matter is guaranteed by the manufacturer and is on file in this Department.

The guaranteed value must also appear on every package offered for sale. (Section 7, Schedule A.)

The purchaser knows what value he is getting when he buys a registered feed.

It is the duty of this department to inspect all feeds on the market, excepting such as are specifically exempt from inspection. (Section 12.)

Instructions were issued to our inspectors to collect registered feeds only. The response shows as follows:

Cattle medicines obtained	41	samples.
Feeds not registered, and not required to be registered	9	"
Feeds not registered, but should be registered	1	"
Registered feeds.....	87	"
Total.....	138	"

There is some excuse for the collection of so many samples of cattle medicines, inasmuch as the term feeding stuff is defined in Section 2 of the Act to include "feeds claimed to possess medicinal as well as nutritive properties." These samples will form the subject of a separate report.

The present report therefore deals with 97 samples only and these may be classified as follows:

(1) Registered feeding stuffs	
Meeting guarantee	64
Below guarantee	22
Doubtful (imperfect report)	1
Total	87
(2) Unregistered—illegal	
“ and legal	1
Meeting standard requirements	5
Below standard requirements	4
Total	97

The following table gives a synopsis of 22 registered feeds which fail to meet the guarantee under which they are sold.

No.		Below requirements in.			Remarks.
		Proteids	Fat.	Fibre.	
45631	Bran	1.09	1.09		Above guarantee in fat 6.3.
45636	Middlings	2.08	0.83		
45642	Calf meal	9.20			
39070	Kamoat	2.16	0.44		
39073	Ox Meal	1.70			
39078	Eureka	0.71	1.61		
40841	Bran	2.02	0.74		
40843	Kamoat	1.69	0.42		
40846	Kremo Feed	2.02	0.54		
40848	Ox Meal	1.58			
50173	Crescent	1.08	1.36		Above in fat 5.46. Above in proteids 2.32. Excess in proteids 0.95. Excess in Proteids. Excess in fat 1.24. Excess Fibre.
50174	Sugar and Flaxseed	2.58			
50179	Oil cake	4.08			
50181	Calf meal	7.73			
50185	Bibby 'Equivt		2.31		
50188	Oil cake		1.23		
49552	Schumacher		1.65		
49373	Maize meal	2.20	0.54		
49381	Gluten Feed	1.96			
49386	Dairy Feed	3.53	1.15	5.6	
49640	Poultry bone		3.36		
38316	Stock feed	4.22	1.62		

Section 15 of the Act provides that a deficiency of one per cent of the proteids or fat shall not be considered evidence of fraudulent intent, if the total value of the feed, in nutritive material, is substantially equivalent to the guaranteed statement of the manufacturer.

All of the above cases show deficiencies greater than one per cent, in proteids or in fat, so that under the terms of the Act they are adulterated.

In most instances, however, the departure from legal allowance is small, and in some cases is nearly, if not quite balanced by excess of one or other component.

In cases where the manufacturer bases his guarantee values on the analysis furnished to him by the analyst he employs, it is important that he assure himself of the typical character of the sample which he submits for analysis.

If he submit several samples, instead of a single one the average result of analysis will be more likely truly to represent his product than if he trusts to a single test.

I am convinced that some of the differences above recorded between the guaranteed and the actual analysis are unfavourable to the manufacturer owing to his having described his product upon the result of a single test case, the sample submitted being, perhaps, rather better than his average output.

In view of this consideration and of the fact that this is a first inspection of registered feeds under the Act of 1909, I am inclined to recommend leniency in the enforcement of the penalties provided under Section 15.

Ten samples herein reported are not registered. One of these, No. 48075, sold as Cotton Seed Meal, can not be legally sold without being registered. From correspondence with the Rev. D. B. Cohoe of Burgessville, (Departmental Letters 87715 and 87745) it is explained that this was a sample of a personal consignment passed over to a neighbour, without profit; and cannot properly be regarded as a sale.

Of the other samples, five meet the requirements under which they are sold as Middlings or Chop feed. The following samples fail to meet legal requirements.

No. 45639—Sold as *Feed Flour*.

Below Standard for "Middlings"—

Proteids 1.35 p.c.

Fat 1.44 p.c.

Above Standard in Fibre 6.70 p.c.

It is uncertain whether the term "Feed Flour" may be taken as equivalent to middlings. It would be safer to register or guarantee articles of this kind. The actual feeding value is so nearly equal to that of middlings, that the article may pass inspection, as doubtfully classified.

No. 50183—Sold as *Rex Sugar Feed*,

Below Standard for chop feed—

Proteids 0.68 p.c.

Fat 1.06 p.c.

Above Standard in Fibre 5.3 p.c.

It is probable that this article should be registered. It is so nearly the value of Chop feed that it may pass.

No. 49367. Sold as *Oat Feed*.

Below Standard as Chop Feed—

Proteids 6.76 p.c.

Fat 0.87 p.c.

Excess Fibre 18.60 p.c.

This article has so little nutritive value that it must be declared adulterated.

No. 49629. Sold as *Stock Feed*, is below requirements for Chop Feed as follows:—

Proteids 7.23 p.c.

Fat 1.62 p.c.

Excess Fibre 25.20 p.c.

This article is to be judged adulterated.

I beg to recommend publication of this report as Bulletin No. 241.

I have the honour to be, Sir,

Your obedient servant,

A. McGILL,
Chief Analyst.

BULLETIN No. 241—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF NOVA SCOTIA—

1912.							
Feb.	9 Stock Feed....	47061	Wentzells Ltd., Halifax, N.S.	1 pkg.	50	International Stock Food Co., Toronto.	Manufacturers..
"	21 " ..	47052	Halifax Seed Co.....	1 "	50	Pratt Food Co., Toronto.	" ..
"	21 " ..	47053	" "	1 "	50	W. A. Jenkins Co., London, Ont.	" ..

DISTRICT OF PRINCE EDWARD ISLAND—

Feb.	7 Calf Meal	46186	Auld Bros., Charlottetown, P.E.I.	3 lbs..	20	The Blatchford Calf Meal Factory, Wankegan, Ill.	.....
"	7 Molassine.....	46187	" " ..	3 "	10	The Molassine Co., Ltd., England.	.....
"	21 Herbageum...	46188	Mathew & McLean, Ltd., Charlottetown, P.E.I.	4 "	50	The Beaver Mfg. Co., Galt, Ont.	.....

DISTRICT OF NEW BRUNSWICK—

Feb.	17 Bran.....	45631	C. H. Peters & Sons, Ltd., St. John, N.B.	3 lbs..	15	Western Canada Flour Mills, Winnipeg.	.....
"	17 Middlings....	45632	" " ..	3 "	15	"	.....
"	19 " ..	45633	P. Nase & Son, St. John, N.B.	3 "	10	Maple Leaf Milling Co., Canada.	.....
"	19 Banner.....	45634	" " ..	3 "	10	Quaker Oats Co., Peterboro', Ont.	.....
"	19 Feed Flour....	45635	" " ..	3 "	10	Western Canada Flour Mills Co., Winnipeg.	.....
"	21 Middlings....	45636	James Collins, St. John, N.B.	3 "	10	"	.....
"	21 Feed Flour...	45637	W. J. Alexander, St. John, N.B.	3 "	10	Maple Leaf Milling Co., Canada.	.....
"	21 Geneva Feed..	45638	James Stephenson & Son, St. John, N.B.	3 "	15	Western Canada Flour Mills Co., Winnipeg.	.....

REGISTERED STOCK FEEDS.

Inspector's Report (is not an expression of opinion.)	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids.	Fat.	Fibre.		

R. J. WAUGH, INSPECTOR.

		p.c.	p.c.	p.c.		
.....					47051	Is a medicine, not a food.
.....		Mineral matter	22.2 p.c.		47052	Mineral matter 22.2 p.c. Is not a stock food, but a medicine.
.....		Mineral matter	11.00 p.c.		47053	Is a medicine, not a food.

WM. A. WEEKS, INSPECTOR.

.....	As guaranteed	25.00	5.0	5.0	46186	Meets guarantee.
.....	As found.	25.02	5.36	5.7		
.....	As guaranteed	7.00	0.08	7.0	46187	"
.....	As found.	10.76	0.19	6.1		
.....	Mineral matter	15.85 p.c.			46188	Is a medicine, not a food.

J. C. FERGUSON, INSPECTOR.

Reg. No. 66.....	As guaranteed	16.82	5.5	10.86	45631	1.99 per cent deficiency in proteids, as per guarantee. Conforms to definition of <i>Bran</i> .
" 64.....	As found.	14.83	4.41	9.7		
" 64.....	As guaranteed	18.36	6.04	7.51	45632	Up to guarantee, and conforms to definition of <i>middlings</i> .
" "Reg. Number.	As found.	17.85	5.87	6.60	45633	Sold as <i>middlings</i> , and conforms to legal requirements. Not registered.
" "Reg. Number.	As found.	16.71	5.56	7.7	45634	Up to guarantee.
Reg. No. 16.....	As guaranteed	8.5	3.5	9.0	45635	Up to guarantee, and correct as <i>middlings</i> .
" 65.....	As found.	9.89	3.2	8.0		
" 65.....	As guaranteed	16.23	3.9	3.29	45636	2.08 deficiency in proteids; but conforms to requirements for <i>middlings</i> .
" 66.....	As found.	17.37	4.36	3.60	45637	Not registered. Conforms to requirements for <i>middlings</i> .
" 66.....	As guaranteed	16.82	5.5	10.86	45638	Meets guarantee.
" "Maple Leaf." No	As found.	14.74	4.67	10.00		
" "Reg. Number.	As found.	16.45	4.4	5.50		
Reg. No. 64.....	As guaranteed	18.36	6.04	7.51		
" "Reg. Number.	As found.	18.25	6.48	6.2		

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF NEW BRUNSWICK—

1912.							
Feb. 27	Feed Flour. . .	45639	P. F. McKenna, St. Stephen, N. B.	3 pkgs	15	Canada Cereal M. Co., Toronto.	
Mar. 5	Geneva Feed..	45640	M. E. Doohan, Fredericton, N. B.	3 lbs.	10	Campbell Flour M. Co., W., Toronto	
" 5	Model Feed ..	45641	A. H. Vanwart, Fredericton, N. B.	3 "	13	Lake of the Woods M. Co. Montreal	
" 7	Calf meal.	45642	J. W. Niles, Andover, N. B.	3 "	25	International Stock Food Co., Ltd., Toronto.	
" 8	Puritan Chop.	45643	J. W. McPhail, Perth, N. B.	3 "	10	Ogilvie Flour M. Ltd., Montreal.	
" 12	Hercules.	45644	W. B. McKay, Ltd., Sussex, N. B.	3 "	10	"	

DISTRICT OF QUEBEC—

Feb. 7	Stock Feed. . .	37388	Arthur Drolet, 714 Rue St. Valier, Quebec.	3 lbs.	75	International Stock Food Co. Toronto	P. T. Legare, Quebec.
" 9	" ..	37389	Hamel & Bedard, 728 Rue St. Valier, Quebec.	3 "	75	"	"
" 14	" ..	37390	Jos. Masson, 808 Rue St. Valier, Quebec.	3 "	30	Davis & Lawrence, Montreal.	Mfrs.
" 14	" ..	37391	" " "	3 "	50	Nyals, New York.	"
" 14	" ..	37392	" " "	3 "	45	L. E. Martel, Quebec.	Mfr ..
" 14	" ..	37393	" " "	3 "	75	Toronto Pharmacal	Mfrs.
" 14	" ..	37394	" " "	3 "	35	Dr. Ed. Morin....	Mfr.....
" 14	" ..	37395	Hamel & Bedard, 728 Rue St. Valier, Quebec.	3 "	105	Jos. Julien, Pont Rouge.	W. Brunet & Cie, Quebec.
" 14	" ..	37396	P. Reneaud, 597 Rue St. Valier, Que.	3 "	105	Pratt Food.....	A. E. Vallerand, Quebec.

DISTRICT OF ST. HYACINTHE—

Feb. 19	Quinquinol....	39057	Berthiaume & Lanoue, Farnham.	1 can.	50	Am. Pure Food Co. Montreal.	
" 19	International..	39058	J. E. Baillargeon, Farnham.	3 pkgs	25	International Stock Food Co. Toronto	
" 21	Pratts.	39059	Vaughan Bros., Magog.	1 "	50	Pratts Food Co., of Canada, Ltd., Toronto.	
" 21	Anglo-Saxon..	39060	B. E. Goyette, Magog.	1 "	25	Nat. Drug & Chem. Co., Montreal.	
" 27	Interprovincial	39061	T. Ledoux, St. Guillaume	1 "	25	The Interprovincial S. F. Co., St. Basile.	
" 27	Vinks.	39062	E. Sylvestre, St. Guillaume	1 "	25	The Joliette Chem. Co. Ltd., Joliette	

REGISTERED STOCK FEEDS.

Inspector's Report (Is not an expression of opinion).	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids	Fat.	Fibre.		

Concluded.

No. Reg. number.	As found.	p.c.	p.c.	p.c.		
.....	As found.	9.93	4.06	8.00	45640	No registration number. Below standard for middlings.
Reg. No. 49.....	As guaranteed	11.0	3.6	11.5	45641	Meets guarantee, and conforms to requirements for chop feed.
" 106.....	As found.	10.41	3.16	9.6	45642	Meets guarantee, and conforms to requirements for chop feed.
" 104.....	As guaranteed	25.0	4.0	10.0	45643	9.20 per cent deficiency in proteids; 6.3 above guarantee in fat.
Pure Corn, Oats & Barley. Registered.	As found.	15.8	10.3	8.9	45644	Meets guarantee; and conforms to requirements for chop feed.
	As found.	9.5	4.0	6.5		Sold as chop feed. Meets standard requirements. No guarantee.
	As found.	10.41	4.84	7.5		
	As found.	9.97	4.78	6.7		

F. X. W. E. BELAND, INSPECTOR.

.....	Mineral matter	18.25 p.c.	37388	Is a medicine—not a food.
.....	Mineral matter	5.25 p.c.	37389	" " "
.....	Mineral matter	9.40 p.c.	37390	Is a condition powder, and sold as such—Not a food.
.....	Mineral matter	20.4 p.c.	37391	Is a condition powder.
.....	Mineral matter	20.3 p.c.	37392	" "
.....	Mineral matter	26.20 p.c.	31393	" "
.....	.....	.....	37394	Is a medicine—not a food.
.....	Mineral matter	30.0 p.c.	37395	Is a condition powder.
.....	.....	.....	37396	Is a medicine.

J. C. ROULEAU, INSPECTOR.

No. Reg. Number .....	.....	.....	.....	39057	Is a medicine.
" .....	.....	.....	.....	39058	"
" .....	.....	.....	.....	39059	"
" .....	.....	.....	.....	39060	"
" .....	.....	.....	.....	39061	"
" .....	.....	.....	.....	39062	"

BULLETIN No. 241—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF ST. HYACINTHE—							
1912.							
Feb. 27	Perfection....	39063	G. E. Aubin, Actonvale..	1 pkg.	50	D. Frechette, St. Hyacinthe.	
" 27	Acme.....	39064	A. Chicoine, Actonvale...	1	25	Frazier Norton & Co., Cookshire.	
" 28	Hackney.....	39065	O. T. Piche, Drummondville.	1 "	50	The Hackney S. Food Co., Ltd., Toronto.	
" 28	La Cadienne..	39066	T. A. Bourgault, Drummondville.	1 "	25	J. T. Herbert, Drummondville.	
" 28	Purina.....	39067	A. Birtz, Drummondville.	1 "	40		Stock of J. N. Potvin, D'Ville
" 28	Herbageum...	39068	R. Cardin, Drummondville.	1 "	50	The Beaver Mfg. Co., Ltd., Galt.	
Mar. 4	Regal.....	39069	Berthiaume & Lanoue, Farnham.	3 lbs.		Ogilvie Milling Co.	
" 4	Kamoat.....	39070	" " "	3 "		Lake of the Woods Milling Co.	
" 5	Bran.....	39071	Beaudry & Beauchemin, Granby.	3 "		W. C. F. M. Co., Ltd.	
" 5	Schumacher...	39072	" " "	3 "		The Quaker Oats Co., Peterboro.	
" 6	Ox Meal....	39073	J. S. Maguire, Waterloo, P.Q.	3 lbs.	6	Lake of the Woods Milling Co.	
" 6	Bibby's Cream Equivalent.	39074	A. E. Ralston, Knowlton P.Q.	3 "	14	J. Bibby & Sons, Liverpool.	
" 7	Banner.....	39075	A. Oliver, Cowansville..	3 "		The Quaker Oats Co., Peterboro.	
" 7	Middlings...	39076	" " "	3 "		West Canada F. M. Co., Ltd.	
" 7	Victor Feed...	39077	J. O. Ostigny, Adamsville	3 "		The Quaker Oats Co., Peterboro.	
" 13	Eureka.....	39078	Laperriere & fils, Pierreville.	3 "		Ogilvie Milling Co.	
" 20	Calf Meal....	39079	W. K. Mackenzie, Richmond, P.Q.	3 "		The Blatchford Calf Meal Factory, Wankegan, Ill.	
" 20	Pioneer Cotton Seed Meal	39080	D. Taylor, Richmond, P.Q.	3 "		J. E. Soper & Co., Roston.	

DISTRICT OF MONTREAL—

Mar. 10	Bran.....	40841	T. Longtin, Valleyfield, P.Q.	3 lbs.	10	West Canada F. Mills Co. Ltd.	
" 13	Oxmeal.....	40842	J. P. Lebel, Commissioner St., Montreal.	3 "	8	Lake of the Woods Milling Co., Ltd.	
" 13	Kamoat.....	40843	" " "	3 "	5	"	
" 13	Feed Flour...	40844	" " "	3 "	7	West Canada F. M. Co., Ltd.	
" 13	Shorts.....	40845	" " "	3 "	5	"	

REGISTERED STOCK FEEDS.

Inspector's Report (Is not an expression of opinion.)	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids	Fat.	Fibre.		
Concluded.						
No. Reg. Number.....		p. c.	p. c.	p. c.		
"					39063	Is a medicine. Labelled condi-
"					39064	tion powder. Is a medicine.
"					39065	"
"					39066	"
"					39067	"
"					39068	"
Moulée Melange. No reg. number found on bag.	As guaranteed	9.0	4.25	9.0	39069	Meets guarantee.
	As found.	9.65	4.46	8.9		
Reg. No. 50.....	As guaranteed	11.0	2.5	16.0	39070	2.16 per cent deficiency in pro-
	As found.	8.84	2.06	15.9		teids. Adulterated.
" 66.....	As guaranteed	16.82	5.50	10.86	39071	Meets guarantee; also require-
	As found.	15.75	4.69	9.9		ments for bran.
" 13.....	As guaranteed	10.5	4.6	10.5	39072	Meets guarantee.
	As found.	9.88	3.0	10.4		
Reg. No. 51.....	As guaranteed	16.5	3.2	7.6	39073	1.70 per cent deficiency in pro-
	As found.	14.80	3.36	5.1		teids.
" 82.....	As guaranteed	14.0	14.0	7.0	39074	Meets guarantee.
	As found.	15.66	14.26	5.6		
" 16.....	As guaranteed	8.5	3.5	9.0	39075	"
	As found.	8.72	3.20	8.3		
" 68.....	As guaranteed	16.73	4.39	5.2	39076	Meets guarantee; also require-
	As found.	16.06	4.48	4.2		ments for middlings.
" 14.....	As guaranteed	8.0	3.5	12.0	39077	Meets guarantee.
	As found.	8.48	3.4	9.5		
" 102.....	As guaranteed	9.5	4.5	13.5	39078	1.6 per cent deficiency in fat.
	As found.	8.79	2.89	13.8		
Reg. No. not shown on bags.	As guaranteed	25.0	5.0	5.0	39079	Meets guarantee.
	As found.	25.80	4.80	6.5		
Guaranteed Analysis stamped on card but no reg. number to be found.	As guaranteed	4.0	7.0	10.0	39080	"
	As found.	41.14	7.96	8.8		

J. J. COSTIGAN, INSPECTOR.

Reg. No. 66	As guaranteed	16.82	5.5	10.86	40841	2.02 per cent deficiency in pro-
	As found.	14.80	4.76	9.7		teids; meets legal requirements
" 51	As guaranteed	16.5	3.20	7.60	40842	Meets guarantee.
	As found.	15.66	3.36	5.2		
" 50	As guaranteed	11.0	2.5	16.0	40843	1.69 per cent deficiency in pro-
	As found.	9.31	2.08	15.7		teids.
" 65	As guaranteed	16.23	3.90	3.29	40844	Meets guarantee.
	As found.	15.66	2.88	2.7		
" 63	As guaranteed	18.38	6.02	7.00	40845	Meets guarantee; also legal
	As found.	17.98	5.2	7.0		requirements for shorts.

BULLETIN No. 241—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF MONTREAL—

1912.							
Mar. 13	Kremo Feed.	40846	W. C. F. Mills Co., Ltd., Montreal.	3 lbs.	...	Vendors.	...
" 13	Kamoat	40847	Lake of the Woods Milling Co., Ltd., Montreal.	3 "	...	"	...
" 13	Ox Meal	40848	Lake of the Woods M. Co. Ltd., Montreal.	3 lbs.	...	Vendors	...
" 13	Canadian Concentrated Veg. Stock Feed.	40849	Aime Guertin, Notre Dame St. E., Montreal.	3 "	...	Vendor	...
" 14	Molassine Meal	40850	Andrew Watson, Place Youville, Montreal.	3 "	...	Molassine Co., Ltd. London, Eng.	...

DISTRICT OF OTTAWA—

Feb. 5	Banner	50171	W. H. Poole, Smith's Falls	5 lbs.	10	The Quaker Oats Co., Peterboro.	Mrs.
" 5	Victor	50172	" "	5 "	10	"	"
" 5	Crescent	50173	" "	5 "	15	The Chisholm M. Co., Toronto.	"
" 5	Sugar & Flax seed.	50174	A. May, Smith's Falls.	3 "	18	Blatchford Calf Meal Factory, Wankegan, Ill.	"
" 5	Calf Meal	50175	" "	3 "	18	"	"
" 6	Herbageum	50176	J. W. McKay, Ottawa.	4 "	60	The Beaver Mfg. Co., Galt, Ont.	"
" 6	All Grain	50177	" "	3 "	5	W. R. Cummings, Ottawa.	"
" 6	Caldwell's Molasses Meal.	50178	" "	3 "	9	The Caldwell Feed Co., Ltd., Dundas, Ont.	"
" 6	New Process Oil Cake.	50179	" "	3 "	9	J. & J. Livingston, Baden, Ont.	K. McDonald & Sons, Ottawa.
" 6	Pioneer Cotton Seed Meal.	50180	" "	3 "	6	J. E. Soper Co., Boston.	W. R. Cummings, Ottawa.
" 6	International.	50181	" "	3 pkgs	75	International Stock Food Co., Minneapolis.	Mrs.
" 7	Ruby Feed.	50182	Tilton & Graham, Cornwall wall.	3 lbs.	5	Canada C. & M. Co., Lindsay.	"
" 7	Rex Sugar Feed.	50183	Jno. F. Jarvo, Cornwall.	3 lbs.	30	The Rex Sugar Co., Weston, Ont.	Mrs.
" 7	Calf Meal	50184	D. McDonald, Cornwall.	3 "	15	International Stock Food Co., Toronto.	"
" 8	Bibby's Cream Equivalent	50185	W. A. Blyth, Ottawa.	3 "	15	J. Bibby & Son, Liverpool, Eng.	W. Rennie & Co. Toronto.
" 16	Maize Gluten Meal (Jersey Brand.)	50186	J. A. Forward, Ottawa.	3 "	15	St. Lawrence Starch Co., Port Credit, Ont.	W. H. Dwyer, Ottawa, Ont.
" 13	Gluten Meal	50187	E. J. McGarry, Renfrew.	5 "	20	Edwardsburg Starch Co., Cardinal.	Mrs.

REGISTERED STOCK FEEDS.

Inspector's Opinion (Is not an expression of opinion.)	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids	Fat.	Fibre.		

Concluded.

		p.c.	p.c.	p.c.		
Reg. No. 74	As guaranteed	11.56	2.16	16.0	40846	2.02 per cent deficiency in pro-
	As found.	9.54	1.82	16.3		teids.
" 56.....	As guaranteed	11.0	2.5	16.0	40847	Meets guaran tee.
	As found.	11.46	1.86	11.0		
" 51.....	As guaranteed	16.5	3.20	7.60	40848	1.58 per cent deficiency in pro-
	As found.	14.92	3.76	5.6		teids.
" 56.....	As guaranteed	25.0	6.25	2.0	40849	Meets guarantee.
	As found.	23.80	5.7	1.9		
" 133.....	As guaranteed	7.0	0.05	7.0	40850	"
	As found.	11.59	0.20	6.5		

J. A. RICKEY, INSPECTOR.

Reg. No. 16	As guaranteed	8.5	3.5	9.0	50171	Meets guarantee.
	As found.	8.72	3.0	8.6		
No. Reg. number nor	As guaranteed	8.0	3.5	12.0	50172	"
analysis on bags.	As found.	7.61	3.17	11.6		
Reg. No. 84	As guaranteed	9.0	5.0	20.0	50173	1.06 per cent deficiency in pro-
	As found.	7.92	3.64	16.1		teids; 1.36 deficiency in fat.
No. Reg. No. on bags..	As guaranteed	27.0	10.0	6.0	50174	2.58 per cent deficiency in pro-
	As found.	24.42	9.94	7.0		teids.
" "	As guaranteed	25.0	5.0	5.5	50175	Meets guarantee.
	As found.	29.24	5.25	6.2		
No Reg. No. nor anal-					50176	Is a medicine, not a food.
ysis on bags.						
" "	As found.	11.68	4.04	10.4	50177	Meets requirements for Chop
						Feed
Reg. No. 124	As guaranteed	4.61	0.81	2.71	50178	Meets guarantee.
	As found.	4.81	0.18	4.5		
No Reg. No. nor anal-	As guaranteed	37.12	8.0	6.53	50179	4.08 per cent deficiency in pro-
ysis on bags.	As found.	33.04	7.90	7.5		teids.
No Reg. No. on bags..	As guaranteed	41.0	7.0	10.0	50180	Meets guarantee.
	As found.	41.56	7.12	9.2		
No analysis nor Reg.					50181	Is a medicine, not a food.
No. on bags.						
Reg. No. 115	As guaranteed	8.34	2.66	19.64	50182	Meets guarantee.
	As found.	8.01	2.03	16.1		
No analysis nor Reg.	As found.	9.32	0.94	4.7	50183	Not registered. Sale Illegal.
No. on bags.						
No Reg. No. on bags..	As guaranteed	14.0	5.0	10.0	50184	7.73 per cent deficiency in pro-
	As found.	16.27	10.46	9.1		teids; 5.46 excess fat.
No analysis nor Reg.	As guaranteed	14.0	14.0	7.0	50185	2.31 per cent deficiency in fat.
No. on bags.	As found.	16.32	11.69	6.0		
Reg. No. 31	As guaranteed	18.0	3.0	6.0	50186	Meets guarantee
	As found.	18.29	1.97	5.6		
Bags registered No. 53	As guaranteed	0	3.0	6.0	50187	"
is No. Reg. with	As found.	0.02	2.85	1.2		
pt.						

BULLETIN No. 241—

Date of Collection.	Nature of Sample.]	No. of Sample.	Name and Address of the Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Conts.	Manufacturer.	Furnisher.

DISTRICT OF OTTAWA—

1912.							
Feb. 16	Pure Oil Cake Meal.	50188	J. A. Forward, Ottawa.	3 lbs.	15	St. Lawrence Starch Co., Port Credit, Ont.	W. H. Dwyer, Ottawa.
" 16	Barley Feed.	50189	Ogilvie F. M. Co.	3 "	15	Vendors.	

DISTRICT OF KINGSTON—

Feb. 5	Royal Purple.	49551	J. McLeod, Kingston.	3 lbs.	100	W. A. Jenkins, London, Ont.	
" 5	Schumacher.	49552	W. G. Peters, Kingston.	3 "	19	Quaker Oats Co., Peterboro.	
" 8	"	49555	Quaker Oats Co., Peterboro.	3 "	10		
" 8	Banner.	49556	" "	3 "	10		
" 8	Victor.	49557	" "	3 "	10		
" 8	Molac (Horse)	49558	" "	3 "	10		
" 8	" (Dairy)	49559	" "	3 "	10		

DISTRICT OF TORONTO—

Feb. 6	Reg. Stock Feed.	49321	The Caldwell Feed Co., Ltd., Dundas.	3 lbs.	5	Vendors.	
" 7	Oat Feed.	49367	Hayes & Ryan, Market Square, Hamilton.	3 "	5	Canada Cereal & M. Co., Canada.	
" 7	Victor.	49368	J. Penfold, 96 John St., South, Hamilton.	3 "	10	The Quaker Oats Co., Peterboro.	
" 7	Star Poultry Meal.	49369	The Jas. Dunlop Co. Ltd., 127 John St. South, Hamilton.	3 "	5	Vendors.	
" 7	Alert Mixed Chop.	49370	" "	3 "	5	"	
" 8	Schumacher.	49371	W. Pringle & Son, 280 York St., Hamilton.	3 "	5	The Quaker Oats Co., Peterboro.	
" 12	Crescent	49372	The Chisholm Milling Co. Ltd., Toronto.	3 "	5	Vendors.	
" 13	'Jersey' Brand Maize Gluten Meal.	49373	St. Lawrence Starch Co., Ltd., Port Credit.	3 "	5	"	
" 13	Pure Oil Cake Meal.	49374	" "	3 "	5	"	
" 14	Horse Food.	49375	Faramel Ltd., 222 Dupont St., Toronto.	3 "	5	"	
" 14	Cattle Food.	49376	" "	3 "	15	"	
" 14	Molassine Meal.	49377	F. Greenway, 1239 Bloor St., West, Toronto.	3 "	15	"	A. Wilson, Agent Toronto.

REGISTERED STOCK FEEDS.

Inspector's Report (Is not an expression of opinion.)	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids	Fat.	Fibre.		
<i>Concluded.</i>						

Reg. No. 32.....	As guaranteed	p.c. 20.0	p.c. 14.0	p.c. 8.0	50188	Deficiency of 1.23 per cent of fat.
	As found.	20.95	12.77	7.5		
No analysis nor Reg. No. on bags.	As guaranteed	10.0	2.5	8.5	50189	Meets guarantee.
	As found.	12.34	2.10	5.6		

JAS. HOGAN, INSPECTOR.

Reg. No. 50 under P. or P. Act.					49551	Is a medicine, not a food.
Reg. No. 13.....	As guaranteed	10.5	4.0	10.5	49552	Deficiency of 1.65 per cent fat.
	As found.	10.10	2.35	9.5		
" 13.....	As guaranteed	10.5	4.0	10.5	49555	Meets guarantee.
	As found.	9.32	2.96	10.4		
" 16.....	As guaranteed	8.5	3.5	9.0	49556	"
	As found.	8.23	2.88	8.9		
" 14.....	As guaranteed	8.0	3.5	12.0	49557	"
	As found.	7.79	2.6	11.7		
" 15.....	As guaranteed	10.0	3.5	12.0	49558	"
	As found.	11.27	2.58	12.1		
" 17.....	As guaranteed	15.0	3.5	12.0	49559	"
	As found.	15.01	3.71	10.8		

H. J. DAGER, INSPECTOR.

.....	As guaranteed	4.6	0.81	2.71	49321	Up to guarantee.
	As found.	5.36	0.20	4.5		
Bags. not...Reg....	As found.	3.24	1.13	28.6	49367	Not registered and of very low value. If sold as Chop Feed is adulterated under the Act.
Reg. No. 14.....	As guaranteed	8.0	3.5	12.0	49368	Up to guarantee.
	As found.	8.53	2.96	10.4		
" 80.....	As guaranteed	12.93	3.01	10.11	49369	"
	As found.	20.06	4.29	7.4		
" 79.....	As guaranteed	10.38	4.17	10.77	49370	Up to guarantee; also meets requirements for chop feed.
	As found.	12.99	5.23	6.3		
" 13.....	As guaranteed	10.5	4.0	10.5	49371	Up to guarantee.
	As found.	11.11	3.09	10.5		
" 84.....	As guaranteed	9.0	5.0	20.0	49372	"
	As found.	9.36	4.59	15.1		
" 31.....	As guaranteed	13.0	3.0	6.0	49373	2.20 per cent deficiency in proteids.
	As found.	15.8	2.46	5.8		
" 32.....	As guaranteed	20.0	14.0	8.0	49374	Up to guarantee.
	As found.	19.91	14.50	8.5		
" 60.....	As guaranteed	11.60	5.08	9.4	49375	Up to guarantee.
	As found.	10.72	4.45	7.2		
" 61.....	As guaranteed	13.03	4.16	7.64	49376	"
	As found.	12.12	3.25	6.0		
No. Reg. number on bags.	As guaranteed	7.0	0.06	7.0	49377	"
	As found.	9.71	0.16	6.0		

BULLETIN No. 241—

Date of Collection.	Analysis of Sample.	No. of Sample.	Name and Address of the Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturers.	Furnisher.

DISTRICT OF TORONTO—

1912.							
Feb. 15	Blatchford's Calf Meal.	49378	W. H. Odell, Weston....	3 lbs.	15	J. W. Barwell,	Waukegan, Ill.
" 15	Blatchford's Sugar & Flax-seed.	49379	" " "	3 "	15	"	"
" 16	Ruby Chop...	49380	Jas. Reynolds, Aurora....	3 "	5	Canada Cereal & M. Co., Lindsay	
" 16	Gluten Feed..	49381	Stiver Bros., Aurora....	3 "	5	The Brantford Starch Works, Ltd., Brantford.	
" 19	Bibby's Cream Equivalent.	49382	S. F. M. O'Flynn & Son, Shelburne.	3 lbs.	15	Bibby & Sons, Liverpool.	
" 28	Dried Brewers (Pro Fat) Grains.	49383	F. J. Jers Feed Co., Ltd., 106 Don Esplanade, Toronto.	3 "	5	Vendors.	
" 28	Malted Corn..	49384	" " "	3 "	5	"	
" 29	Molac.....	49385	Crampsey & Kelly 778 Dovercourt St., Toronto	3 "	5	The Quaker Oats Co., Peterboro.	
" 29	Dairy Feed	49386	" " "	3 "	5	Canadian Cereal & Milling Co., Ltd. Tillsonburg.	

DISTRICT OF LONDON—

Feb. 19	Caldwell's Molasses Meal.	47889	W. J. Heaman, Exeter...	3 jars.	15	Caldwell Feed Co., Dundas, Ont.	
" 19	Stock Feed....	47890	" " "	3 "	25	International Stock Food Co., Toronto.	
" 20	Royal Purple Stock Specifc.	48204	Ford & McLeod, Clinton.	3 "	50	W. A. Jenkins Mfg. Co., London, Ont.	
" 20	Pratt's Conditioner.	48206	" " "	3 "	25	Pratt Food Co., Toronto.	
" 22	Battlett's Farmers Brand Cotton Seed Meal.	48224	O. H. Killer, Stratford...	3 "	Nil.	Battlett Co., Detroit, Mich.	

DISTRICT OF WINDSOR—

Feb. 15	Cotton Seed Feed Meal "Cream" Brand.	47880	A. M. Hamilton & Son, London.	3 jars.	Nil.	Tennessee Fibre Co., Memphis, Tenn.	
Jan. 12	Cotton Seed Meal ("Gayoso") Br d.	49075	D. B. Cohoe, Burgesville	3 "	"	Gayoso Oil Works, Memphis, Tenn.	

REGISTERED STOCK FEEDS.

Inspector's Report (Is not an expression of opinion.)	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids	Fat.	Fibre.		

(Concluded.)

		p. c.	p. c.	p. c.		
No. Reg. Number on bags.	As guaranteed	25.0	5.0	5.0	49378	Up to guarantee.
"	As found.	25.20	4.96	5.9		
"	As guaranteed	27.0	10.0	6.0	49379	"
"	As found.	25.90	9.86	6.5		
Reg. No. 115.....	As guaranteed	8.34	2.66	19.64	49380	"
"	As found.	7.52	2.29	17.1		
" 12.....	As guaranteed	15.0	10.0	6.0	49381	1.36 per cent deficiency in proteids.
"	As found.	13.04	11.24	6.1		
No. Reg. number on bags.	As guaranteed	14.0	14.0	7.0	49382	Up to guarantee.
"	As found.	17.28	15.10	6.3		
Reg. No. 98.....	As guaranteed	20.04	5.23	22.94	49383	"
"	As found.	23.83	5.50	13.4		
" 140.....	As guaranteed	15.13	3.11	6.0	49384	"
"	As found.	17.67	2.74	6.2		
Analysis on bags but no Reg. number.	As guaranteed	15.0	3.5	12.0	49385	"
"	As found.	15.92	3.48	12.1		
No. Reg. number on bags.	As guaranteed	17.0	4.5	15.0	49386	3.53 per cent deficiency in proteids; 5.6 excess fibre.
"	As found.	13.47	11.85	20.6		

JNO. TALBOT, ACTING INSPECTOR.

Reg. No. 124.....	As guaranteed	4.6	0.81	2.71	47889	Up to guarantee.
"	As found.	5.04	0.20	4.2	47890	Is a medicine, not a food.
"					48204	" "
Reg. No. 448.....					48206	Is a condition powder, not a food.
"	As guaranteed	41.0	7.0	10.0	48224	Up to guarantee.
"	As found.	40.16	7.38	9.9		

JNO. TALBOT, INSPECTOR.

No. Reg. No.	As guaranteed	20.0	5.0	22.0	47880	Up to guarantee.
"	As found.	22.63	4.52	20.6		
"	As found.	43.75	6.78	7.00	48075	Not registered. No sale.

BULLETIN No. 241—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF MANITOBA—

1912.							
Feb. 15	Stock Feed...	48631	Olafsson Grain Co., Winnipeg.	4 lbs.	50	International Stock Food Co., Toronto.	Scott, Bathgate & Co., Winnipeg.
" 15	"	48632	Carnefac Stock Food Co., Winnipeg.	3 "	50	W. B. Douglas, Winnipeg.	
" 15	"	48633	Laing Bros., Winnipeg.	3 "	25	Colonial Stock Food Co., Weston, Ont.	
" 15	"	48634	" " "	3 "	50	Pratt Food Co. of Canada, Ltd.	
" 15	"	48635	The Mayer Co., Ltd., Winnipeg.	3 "	Nil.	Vendors	

DISTRICT OF CALGARY—

Mar. 9	Stock Feed...	44151	Hegler & Hegler, Edmonton.	3 lbs.	25	De Heas & Clark, Ashland, U.S.	
" 9	"	44152	" " "	3 "	25	International Stock Food Co., Minneapolis.	
" 19	"	44153	A. E. McKenzie Co., Ltd., Calgary.	3 "	25	G. E. Lee Co.	
" 19	"	44154	" " "	3 "	73	The G. E. Conkey Co., Cleveland, U.S.	

DISTRICT OF NELSON—

Feb. 13	Stock Feed...	49602	J. H. Clements, Kamloops.	1 pkg.	50	International Stock Food Co., Minneapolis.	
" 20	"	49629	McNair & Haddock, Ashcroft.	3 lbs.	10		Evans, Coleman & Evans, Vancouver.
" 20	"	49630	Harvey Bailey Ltd., Ashcroft.	5 "	60	Beaver M'fg. Co. Galt.	
Apr. 1	Beef Scrap...	49673	Swift Canadian Co., Nelson, B.C.	3 "	25	Swift Canadian Co., Edmonton.	
" 1	Poultry Bo.	49640	" " "	3 "	25	"	

DISTRICT OF VANCOUVER—

Feb. 23	Stock Feed...	38315	Vancouver Milling and Grain Co., Vancouver.	3 lbs.	Nil.	Vendors	
" 23	"	38316	Brackman Ker Milling Co., New Westminster.	3 "	"	"	

REGISTERED STOCK FEEDS.

Inspector's Report (Is not an expression of opinion.)	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids	Fat.	Fibre.		

A. C. LARIVIERE, INSPECTOR.

		p.c.	p.c.	p.c.		
					48631	Is a medicine.
					48632	"
					48633	"
					48634	"
Reg. No. 11	As guaranteed As found.	18.50 20.66	5.17 6.10	3.51 6.40	48635	Up to guarantee as registered, but improperly labelled as con- taining 22.17 p.c. proteids.

R. W. FLETCHER, INSPECTOR.

					44151	Is a medicine.
					44152	"
					44153	"
					44154	"

THOS. PARKER, INSPECTOR.

					49602	Is a medicine.
	As found.	2.77	0.38	35.2	49629	Not registered. Is adulterated as chop feed.
					49630	Is a medicine.
Reg. No. 131	As guaranteed As found.	50.0 62.20	8.0 12.62	nons. "	49639	Up to guarantee.
" 122	As guaranteed As found.	25.0 24.86	5.0 1.64	Phos- phate of lime 50 p.c. 56.75	49640	Deficiency of 3.36 per cent. of fat.

J. F. POWER, INSPECTOR.

Reg. No. 131	As guaranteed As found.	10.0 18.90	2.5 3.88	10.8 10.7	38315	Up to guarantee.
" 138	As guaranteed As found.	18.0 13.78	5.0 3.38	10.0 1.3	38316	4.22 per cent. deficiency in pro- teids, and 1.62 in fat.

BULLETIN No. 241—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

DISTRICT OF VICTORIA—

1912.							
Mar. 12	Corn Chop....	49130	The Brackman Ker Milling Co., Ltd., Victoria, B.C.	3 lbs.	8	Vendors	
" 12	Dairy Chop...	49131	" " " "	3 "	9	"	
" 12	Jersey Chop..	49132	" " " "	3 "	8	"	
" 12	Dairy Chop..	49133	T. H. Howe, Victoria, B.C.	3 "	...	Vancouver M. Co., Vancouver, B.C.	
" 12	Reg. Stock Feed.	49134	" " " "	3 "	...	Ogilvie Flour Mills, Winnipeg.	

REGISTERED STOCK FEEDS.

Inspector's Report (Is not an expression of opinion).	Analysis of Sample.	Results of Analysis.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Proteids	Fat.	Fibre.		

D. O'SULLIVAN, INSPECTOR.

		p.c.	p.c.	p.c.		
Reg. No. 136.....	As guaranteed	9.0	4.0	8.0	49130	Up to guarantee and legal as chop feed.
	As found.	11.81	3.92	7.2		
" 137.....	As guaranteed	7.0	3.0	15.0	49131	Up to guarantee, but below legal chop feed.
	As found.	6.42	2.40	17.6		
" 138.....	As guaranteed	18.0	5.0	10.0	49132	Up to guarantee, and up to legal standard for chop feed.
	As found	19.60	4.52	12.6		
" 131.....	As guaranteed	10.0	2.5	18.0	49133	Up to guarantee and to legal chop feed.
	As found.	10.76	2.08	9.2		
Statement re Schedule A was printed on sacks, except Reg. No. which was not visible on any of the sacks.	As found.	6.24	2.52	25.10	49134	No guaranteed analysis given by Vendor hence sale illegal.